

GenBank (Release 140, feb 2004)

762 100 0.0

P_AAA99904 cDNA encoding human protein PRO844. 762 bp; cDNA, PAT 26-JAN-2001

ACCESSION P_AAA99904

KEYWORDS GENESEQ; Cardiovascular; endothelial; angiogenic disorder; PRO179; PRO238; PRO364; PRO844; PRO846; PRO1760; PRO205; PRO321; PRO333; PRO840; PRO877; PRO878; PRO879; PRO882; PRO885; PRO887; gene therapy; patent; patentdb (v200408, 15-APR-2004).

SOURCE Homo sapiens.

ORGANISM Homo sapiens.

REFERENCE 1 (bases 1 to 762)

AUTHORS Ashkenazi,A.J., Baker,K.P., Ferrara,N., Gerber,H., Gerritsen,M.E. Goddard,A., Gurney,A.L., Hillan,K.J., Marsters,S.A., Paoni,N.F., Pitti,R.M. Watanabe,C.K., Williams,P.M., Wood,W.I.

TITLE Novel PRO polypeptides and agonists and antagonists of them, used to diagnose and treat cardiovascular, endothelial and angiogenic disorders.

JOURNAL Patent: WO200053757-A2; Filing Date: 24-FEB-2000; 2000WO-US005004; Publication Date: 14-SEP-2000; Priority: 08-MAR-1999; 99WO-US005028. 12-MAR-1999; 99US-0123957P. 02-JUN-1999; 99WO-US012252. 20-JUL-1999; 99US-0144758P. 26-JUL-1999; 99US-0145698P. 01-SEP-1999; 99WO-US020111. 15-SEP-1999; 99WO-US021090. 30-NOV-1999; 99WO-US028313. 30-NOV-1999; 99WO-US028409. 02-DEC-1999; 99WO-US028565. 05-JAN-2000; 2000WO-US000219. 18-FEB-2000; 2000WO-US004341. 18-FEB-2000; 2000WO-US004342. 22-FEB-2000; 2000WO-US004414; Assignee: (GETH) GENENTECH INC; Cross Reference: WPI; 2000-611444/58. P-PSDB; AAB27652; Patent Format: Claim 60; Fig 7; 181pp; English.

COMMENT The present invention relates to methods for stimulating or inhibiting angiogenesis and cardiovascularization. The methods involve the use of pharmaceutical compositions based on the following proteins, PRO179, PRO238, PRO364, PRO844, PRO846, PRO1760, PRO205, PRO321, PRO333, PRO840, PRO877, PRO878, PRO879, PRO882, PRO885 or PRO887. These proteins were identified by isolating cDNA clones encoding secreted proteins. The proteins of the invention may be used to diagnose and treat cardiovascular, endothelial or angiogenic disorders. The present sequence is a cDNA clone encoding one of the proteins of the invention

FEATURES Location/Qualifiers

CDS

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BASE COUNT 197 a 194 c 194 g 177 t

ORIGIN

762 100 0.0

P_AAZ65078 Membrane-bound protein PRO844 encoding cDNA. 762 bp, cDNA, PAT 05-APR-2000

ACCESSION P_AAZ65078

KEYWORDS GENESEQ; Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand; pharmaceutical; receptor immunoadhesin; gene mapping; patent; patentdb (v200408, 15-APR-2004).

SOURCE Homo sapiens.

ORGANISM Homo sapiens.

REFERENCE 1 (bases 1 to 762)

AUTHORS Baker,K., Chen,J., Goddard,A., Gurney,A.L., Smith,V.,

Watanabe, C.K. Wood, W.I., Yuan, J.

TITLE Membrane-bound proteins and related nucleotide sequences.

JOURNAL Patent: WO9963088-A2; Filing Date: 02-JUN-1999; 99WO-US012252;

Publication Date: 09-DEC-1999; Priority: 02-JUN-1998;

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 98US-0098014P. 31-AUG-1998; 98US-0098525P. 16-SEP-1998;
 98US-0100634P. 12-JAN-1999; 99US-0115565P; Assignee: (GETH)
 GENENTECH INC; Cross Reference: WPI; 2000-072883/06. P-PSDB;
 AAY66732; Patent Format: Claim 2; Fig 239; 822pp; English.

COMMENT The invention provides membrane-bound PRO polypeptides and polynucleotides encoding them. The PRO sequences of the invention were identified based on extracellular domain homology screening. The PRO sequences have homology with proteins including LDL receptors, TIE ligands and various enzymes. The membrane-bound proteins and receptor molecules are useful as pharmaceutical and diagnostic agents. Receptor immunoadhesins, for instance, can be used as therapeutic agents to block receptor-ligand interactions. The membrane-bound proteins can also be employed for screening of potential peptide or small molecule inhibitors of the relevant receptor/ligand interaction. The PRO encoding sequences are useful as hybridization probes, in chromosome and gene mapping and in the generation of antisense RNA and DNA. PRO nucleic acid sequences will also be useful for the preparation of PRO polypeptides, especially by recombinant techniques

FEATURES Location/Qualifiers
 BASE COUNT 197 a 194 c 194 g 177 t
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P_AAF44224 Human PRO844 (UNQ544) nucleotide sequence SEQ ID NO:344. 762 bp, cDNA, PAT 02-APR-2001

ACCESSION P_AAF44224

KEYWORDS GENESEQ; Human; secreted and transmembrane protein; PRO; cytostatic; cell death; cancer; chromosomal mapping; gene mapping; tissue typing; diagnostic assay; patent; patentdb (v200408, 15-APR-2004).

SOURCE Homo sapiens.

ORGANISM Homo sapiens.

REFERENCE 1 (bases 1 to 762)

AUTHORS Ashkenazi,A.J., Baker,K.P., Botstein,D., Desnoyers,L., Eaton,D.L. Ferrara,N., Fong,S., Gerber,H., Gerritsen,M.E., Goddard,A., Godowski,P.J. Grimaldi,C.J., Gurney,A.L., Kljavin,I.J., Napier,M.A., Pan,J., Paoni,N.F. Roy,M.A., Stewart,T.A., Tumas,D., Watanabe,C.K., Williams,P.M., Wood,W.I. Zhang,Z.

TITLE PRO polynucleotides used to produce polypeptides used to target bioactive molecules such as toxins, radiolabels or antibodies, to specific cells, to cause targeted cell death.

JOURNAL Patent: WO200073454-A1; Filing Date: 30-MAR-2000; 2000WO-US008439; Publication Date: 07-DEC-2000; Priority: 02-JUN-1999;

99WO-US012252. 23-JUN-1999; 99US-0141037P. 07-JUL-1999;
 99US-0143048P. 20-JUL-1999; 99US-0144758P. 26-JUL-1999;
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 99US-0149396P. 15-SEP-1999; 99WO-US021090. 15-SEP-1999;
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 2000WO-US004414. 24-FEB-2000; 2000WO-US004914. 24-FEB-2000;
 2000WO-US005004. 02-MAR-2000; 2000WO-US005841. 15-MAR-2000;
 2000WO-US006884. 20-MAR-2000; 2000WO-US007377; Assignee: (GETH)
 GENENTECH INC; Cross Reference: WPI; 2001-032160/04. P-PSDB;
 AAB65255; Patent Format: Claim 2; Fig 239; 935pp; English.

COMMENT

The present invention describes human secreted and transmembrane PRO proteins. The PRO proteins have cytostatic activity. The PRO proteins can be used for targeted delivery of bioactive molecules, such as toxins, radiolabels or antibodies, that cause cell death. PRO nucleotide sequences, and their fragments, can be used as hybridisation probes, in chromosomal and gene mapping, and in the generation of anti-sense RNA and DNA. They may also be used to produce transgenic animals which are used to develop and screen therapeutically useful reagents. The PRO nucleotide and protein sequence can be used for tissue typing and in treating cancer. Anti-PRO antibodies can be used in diagnostic assays. AAF44270 to AAF44470 represent PCR primers and hybridisation probes used in the isolation of human PRO sequences. AAF44087 to AAF44269 and AAB65154 to AAB65300 represent human PRO polynucleotide and protein sequences given in the exemplification of the present invention

FEATURES

Location/Qualifiers

BASE COUNT

197 a 194 c 194 g 177 t

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